

IN THE CLAIMS

Upon entry of the present amendment, the status of the claims will be as is shown below. This listing of claims replaces all previous versions and listings of claims in the present application.

1. (Currently Amended) A signal measuring device comprising:

a local signal generating means that generates a local signal;

a mixing means that mixes a signal to be measured with the local signal;

a frequency sweeping means that performs a sweep of ~~sweeps~~ the frequency of the local signal; and

a sweep control means that terminates the sweep upon a termination of a presence ~~section~~ of the signal to be measured based on a component extracted from an output of the mixing means, the component being within a predetermined frequency band.

2. (Currently Amended) The signal measuring device according to claim 1,

wherein the said sweep control means receives a trigger signal ~~whose state which~~ changes state upon the termination of the presence ~~section~~ of the signal to be measured.

3. (Currently Amended) The signal measuring device according to claim 2, further comprising:

an intermediate frequency filter that extracts the a component within a predetermined frequency band from the said mixing means,

wherein the trigger signal is generated based upon an output from the said intermediate frequency filter.

4. (Currently Amended) The signal measuring device according to claim 2,
wherein the said sweep control means comprises:
a delay means that delays the trigger signal, and
a logical product output means that ~~takes and~~ outputs a logical product of an
output from the said delay means and the trigger signal, and
wherein terminating the sweep is based on the logical product whether the sweep
~~is terminated or not is determined according to the said logical product output means.~~
5. (Previously Presented) The signal measuring device according to claim 1,
wherein the signal to be measured is a carrier wave within a burst wave.
6. (Currently Amended) The signal measuring device according to claim 5,
wherein a duration of the burst wave widths of sections including the carrier wave
is variable waves differ from each other.
7. (Currently Amended) The signal measuring device according to claim 3,
wherein the said sweep control means comprises:
a delay means that delays the trigger signal, and
a logical product output means that ~~takes and~~ outputs a logical product of an
output from the said delay means and the trigger signal, and
wherein terminating the sweep is based on the logical product whether the sweep
~~is terminated or not is determined according to the said logical product output means.~~

8. (Previously Presented) The signal measuring device according to claim 2,
wherein the signal to be measured is a carrier wave within a burst wave.
9. (Previously Presented) The signal measuring device according to claim 3,
wherein the signal to be measured is a carrier wave within a burst wave.
10. (Previously Presented) The signal measuring device according to claim 4,
wherein the signal to be measured is a carrier wave within a burst wave.
11. (Previously Presented) The signal measuring device according to claim 7,
wherein the signal to be measured is a carrier wave within a burst wave.
12. (Currently Amended) The signal measuring device according to claim 8,
wherein a duration of the burst wave ~~widths of sections~~ including the carrier wave
is variable ~~waves differ from each other~~.
13. (Currently Amended) The signal measuring device according to claim 9,
wherein a duration of the burst wave ~~widths of sections~~ including the carrier wave
is variable ~~waves differ from each other~~.
14. (Currently Amended) The signal measuring device according to claim 10,

wherein a duration of the burst wave widths of sections including the carrier wave
is variable waves differ from each other.

15. (Currently Amended) A signal measuring device comprising:

a local signal generator that generates a local signal;

a mixer that mixes a signal to be measured with the local signal;

a frequency sweep section that performs a sweep of sweeps the frequency of the
local signal; and

a sweep controller that terminates the sweep upon a termination of a presence
section of the signal to be measured based on a component extracted from an output of
the mixer, the component being within a predetermined frequency band.

16. (Currently Amended) The signal measuring device according to claim 15,

wherein the sweep controller receives a trigger signal which ~~whose state changes~~
state upon the termination of the presence section of the signal to be measured.

17. (Currently Amended) The signal measuring device according to claim 16, further
comprising:

an intermediate frequency filter that extracts the a-component within a
predetermined frequency band from the mixer,

wherein the trigger signal is generated based upon an output from the said
intermediate frequency filter.

18. (Currently Amended) The signal measuring device according to claim 16,
wherein ~~the said~~ sweep controller comprises
a delay unit that delays the trigger signal, and
a logical product output unit that ~~takes and~~ outputs a logical product of an output
from ~~the said~~ delay unit and the trigger signal, and
~~whether wherein~~ the sweep is terminated ~~is determined according to said~~ is based
on the logical product output ~~unit~~.
19. (Previously Presented) The signal measuring device according to claim 15,
wherein the signal to be measured is a carrier wave within a burst wave.
20. (Currently Amended) The signal measuring device according to claim 19,
wherein a duration of the burst wave ~~widths of sections including the carrier wave~~
is variable ~~waves differ from each other~~.